## **CONTENTS OF VOLUME 15**

## Vol. 15 Nos. 1/2 October 1989

Special Issue: Greenhouse Gas Emissions: Environmental Consequences and Policy Responses	
MICHAEL OPPENHEIMER / Developing Policies for Responding to Climatic Change. An Editorial	1
ROBERT E. DICKINSON / Uncertainties of Estimates of Climatic Change: A Review	5
L. D. DANNY HARVEY / Transient Climatic Response to an Increase of Greenhouse Gases	15
GEORGE M. WOODWELL / The Warming of the Industrialized Middle Latitudes 1985–2050: Causes and Consequences	31
PIERRE CROSSON / Climate Change and Mid-Latitudes Agriculture: Perspectives on Consequences and Policy Responses	51
MARGARET B. DAVIS / Lags in Vegetation Response to Greenhouse Warming	75
PHILIP WILLIAMS / Adapting Water Resources Management to Global Climate Change	83
M. L. PARRY and T. R. CARTER / An Assessment of the Effects of Climatic Change on Agriculture	95
JOHN E. BARDACH / Global Warming and the Coastal Zone. Some Effects on Sites and Activities	117
JOHANNES OERLEMANS / A Projection of Future Sea Level	151
PIER VELLINGA and STEPHEN P. LEATHERMAN / Sea Level Rise, Consequences and Policies	175
J. A. MABBUTT / Impacts of Carbon Dioxide Warming on Climate and Man in the Semi-Arid Tropics	191
E. F. ROOTS / Climate Change: High-Latitude Regions	223
MICHAEL OPPENHEIMER / Climate Change and Environmental Pollution: Physical and Biological Interactions	255
JOHN A. LAURMANN / Emissions Control and Reduction	271
CHARLES WEISS, Jr. / Can Market Mechanisms Ameliorate the Effects of Long-Term Climate Change?	299
PETER H. GLEICK / The Implications of Global Climatic Changes for Interna-	300

EDITH BROWN WEISS / Climate Change, Intergenerational Equity and International Law: An Introductory Note	327
Announcement	337
Vol. 15 No. 3 December 1989	
JAE EDMONDS / Managing Atmospheric CO <sub>2</sub> – Guest Editorial	339
L. D. DANNY HARVEY / Managing Atmospheric CO <sub>2</sub>	343
ROBERT E. DICKINSON, RONALD M. ERRICO, FILIPPO GIORGI, and GARY T. BATES / A Regional Climate Model for the Western United States	383
THOMAS R. KARL and WILLIAM E. RIEBSAME / The Impact of Decadal Fluctuations in Mean Precipitation and Temperature on Runoff: A Sensitivity Study over the United States	423
ANDREW R. SOLOW and JAMES M. BROADUS / On the Detection of Greenhouse Warming	449
K. RUBEN GABRIEL and STANELY A. CHANGNON, Jr. / Temporal Features in Thunder Days in the United States	455
Correspondence Comment on C. Covey: Atmospheric and Oceanic Heat Transport Simulations versus Observations (Climatic Change 15) (CLAES ROOTH) Reply to Comments on 'Atmospheric and Oceanic Heat Transport: Simulations versus Observations' (CURT COVEY) A Discussion on the Predictability of Global Change (DUZHENG YE and FU CONGBIN)	479 481 483
Book Reviews  Fred Pearce, Turning Up the Heat, Our Perilous Future in the Global Greenhouse (JOHN S. PERRY)  Thomas Levenson, Ice Time: Climate, Science, and Life on Earth (JOHN S. PERRY)  J. E. Lovelock, The Ages of Gaia. A Biography of Our Living Earth (A. HENDERSON-SELLERS)  Lydia Dotto, Thinking the Unthinkable: Civilization and Rapid Climate Change (P. M. MORRISETTE)	487 487 489 493
Announcement Call for Papers Volume Contents Author Index	495 497 499 501

